

Attorney Docket: TUC920030154US1
Express Mail Label: EV303489555US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT:	ASH ET AL.)	EXAMINER:
)	
SERIAL NUMBER:)	ART UNIT:
)	
FILING DATE:	17 FEBRUARY 2004)	
)	
TITLE:	DYNAMIC RECONFIGURATION OF MEMORY IN A MULTI-CLUSTER STORAGE CONTROL UNIT)	
)	

Mail Stop:
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Dear Sir:

INFORMATION DISCLOSURE STATEMENT

Applicant calls the Examiner's attention to the patents and publications listed on the attached Form PTO-1449, copies of required documents enclosed, which may be material to examination of the above identified application.

TIME OF TRANSMITTAL

This Information Disclosure Statement is being filed under 37 CFR § 1.97(b). This Statement is filed within at least one of the following time periods:

- (a) within three months of the filing date of a national application (other than a CPA under 37 CFR § 1.53(d));
- (b) within three months of the date of entry of the national stage as set forth in 37 CFR § 1.491 in an international application;
- (c) before the mailing of a first Office Action of the merits; or
- (d) before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR § 1.114.

No fee is believed to be due in this instance. However, the undersigned hereby authorizes the charging of any fees created by the filing of this document to Deposit Account No. 19-5117.

The filing of this Information Disclosure Statement shall not be construed as an admission against interest in any manner. This listed patents and publications are believed of interest herein and consideration and citation of as interest by Examiner is respectfully requested.

Respectfully submitted,



Dan Shifrin, #34,473
Swanson & Bratschun, LLC
1745 Shea Center Drive, Suite 330
Highlands Ranch, Colorado 80129
303.268.0066
303.268.0065 (FAX)

cc: IBM Tucson

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Complete if Known

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

1

of 1

Application Number

17 FEBRUARY 2004

Filing Date

ASH ET AL.

First Named Inventor

Art Unit

Examiner Name

Attorney Docket Number

TUC920030154US1

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 4,704,641	11-03-1987	STOHS	
		US- 5,301,275	04-05-1994	VANBUSKIRK	
		US- 5,564,011	10-08-1996	YAMMINE	
		US- 5,649,093	07-15-1997	HANKO	
		US- 5,784,698	07-21-1998	BRADY	
		US- 5,897,661	04-27-1999	BARANOVSKY	
		US- 5,940,838	08-17-1999	SCHMUCK	
		US- 5,940,841	08-17-1999	SCHMUCK	
		US- 5,950,199	09-07-1999	SCHMUCK	
		US- 5,960,446	09-28-1999	SCHMUCK	
		US- 5,987,477	11-16-1999	SCHMUCK	
		US- 6,018,2000	01-25-2000	SORBER	
		US- 6,023,706	02-08-2000	SCHMUCK	
		US- 6,046,817	04-04-2000	BROWN	
		US- 6,094,695	07-25-2000	KORNHER	
		US- 6,449,612	09-10-2002	BRADLEY	
		US-			
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
		EP 0 932 098 A2	07-28-1999	LEXMARK INT'L.		
		JP4-134523	05-08-1992	NEC CORP.		

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<p>Substitute for form 1449B/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p><i>(Use as many sheets as necessary)</i></p>				<p><i>Complete if Known</i></p>		
<p>Application Number</p>						
<p>Filing Date</p>		17 FEBRUARY 2004				
<p>First Named Inventor</p>		ASH ET AL.				
<p>Art Unit</p>						
<p>Examiner Name</p>						
<p>Sheet</p>		<p>of</p>		<p>1</p>		<p>Attorney Docket Number</p>
						TUC920030154US1

NON-PATENT LITERATURE DOCUMENTS

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.